

MARKER PROJECTILE

Abstract

A non-lethal marker projectile that provides site identification capability of a target upon impact includes a rear base made of plastic and a front end extending longitudinally from the rear base. The front end defines a space therein and includes an outer surface having a rear portion attached to the base and a nose portion. The front end also includes a breakable container system located in the space which contains separated chemiluminescent reagents which when mixed produce light. The front end further includes a foam filler which surrounds the breakable container system and which fills the space. The container system breaks on a setback impact that is exerted during firing and initial launch, causing the chemiluminescent reagents to mix and be absorbed into the foam filler, such that upon impact of the projectile with the target, the foam filler marks the target with the mixed chemiluminescent reagents diffused therein.